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Drafts
Pending
Active
 L1: (0) cepstral adj domain adj energy
 L2: (563) midi and "32" and "83"
 L3: (28) midi and "32" with "83"
 L4: (67) midi adj note adj number
 L5: (13) midi and cepstral
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DBs USPAT

Default operator: OR

midi and cepstral

Plurals

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#	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P		3			Im
1	□	□	US 6542869 B1	20030401	19	Method for automatic analysis of audio including	704/500	704/200.1; 704/210;		Foote; Jonathan	☑	□	□	□	□	□	□	US
2	□	□	US 6528715 B1	20030304	11	Music search by interactive graphical specification with	84/615	84/645		Gargi; Ullas	☑	□	□	□	□	□	□	US
3	□	□	US 6476308 B1	20021105	16	Method and apparatus for classifying a musical piece	84/616	84/600; 84/623		Zhang; Tong	☑	□	□	□	□	□	□	US
4	□	□	US 6304846 B1	20011016	20	Singing voice synthesis	704/270	704/205		George; E. Bryan et al.	☑	□	□	□	□	□	□	US
5	□	□	US 6298322 B1	20011002	43	Encoding and synthesis of tonal audio signals using	704/222	704/200.1; 704/209;		Lindemann; Eric	☑	□	□	□	□	□	□	US
6	□	□	US 6246672 B1	20010612	21	Singlecast interactive radio system	370/310	704/260		Lumelsky; Leon	☑	□	□	□	□	□	□	US
7	□	□	US 6081780 A	20000627	18	TTS and prosody based authoring system	704/260	704/275		Lumelsky; Leon	☑	□	□	□	□	□	□	US
8	□	□	US 6067095 A	20000523	24	Method for generating mouth features of an animated or	345/473	345/474; 345/672;		Danieli; Damon Vincent	☑	□	□	□	□	□	□	US
9	□	□	US 6054646 A	20000425	8	Sound-based event control using timbral analysis	84/608	84/626		Pal; Christopher et al.	☑	□	□	□	□	□	□	US
10	□	□	US 5986199 A	19991116	10	Device for acoustic entry of musical data	84/603			Peevers; Alan W.	☑	□	□	□	□	□	□	US
11	□	□	US 5862232 A	19990119	8	Sound pitch converting apparatus	381/61	381/98; 704/207;		Shinbara; Hisako et al.	☑	□	□	□	□	□	□	US
12	☑	□	US 5640490 A	19970617	364	User independent, real-time speech recognition system	704/254	704/270.1		Hansen; C. Hal et al.	□	□	□	□	□	□	□	US

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Drafts
  BRS: c
Pending
Active
  L1: (74) (84/616).CCLS.
  L2: (47) 1 and tones
  L3: (26) 1 and tones and midi
  L4: (18) 1 and tones and midi and voice
  L5: (59) (cellular or mobile) and tones and midi
  L6: (0) ring adj tone adj sequences
  L7: (31) ring adj tones and sms
  L8: (1) 1 and cepstral
  L9: (152) energy and (pitch or fundamental adj frequency) and cepstral
  L10: (7) energy and (pitch or fundamental adj frequency) and cepstral and midi
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energy and (pitch or fundamental adj frequency) and cepstral
and midi

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P					Imag
1			US 6542869 B1	20030401	19	Method for automatic analysis of audio including	704/500	704/200.1; 704/210;		Foote; Jonathan	☑							US 6
2			US 6476308 B1	20021105	16	Method and apparatus for classifying a musical piece	84/616	84/600; 84/623		Zhang; Tong	☑							US 6
3			US 6304846 B1	20011016	20	Singing voice synthesis	704/270	704/205		George; E. Bryan et al.	☑							US 6
4			US 6298322 B1	20011002	43	Encoding and synthesis of tonal audio signals using	704/222	704/200.1; 704/209;		Lindemann; Eric	☑							US 6
5			US 6067095 A	20000523	24	Method for generating mouth features of an animated or	345/473	345/474; 345/672;		Danieli; Damon Vincent	☑							US 6
6			US 6054646 A	20000425	8	Sound-based event control using timbral analysis	84/608	84/626		Pal; Christopher et al.	☑							US 6
7			US 5640490 A	19970617	364	User independent, real-time speech recognition system	704/254	704/270.1		Hansen; C. Hal et al.	☑							US 5

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cepstral adj3 energy and average same frame

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P		3		Im
1	☐	☐	US 6763069 B1	20040713	7	Extraction of high-level features from low-level	375/240.08	348/397.1; 382/243		Divakaran; Ajay et al.	☑	☐	☐	☐	☐	☐ ☐	US
2	☐	☐	US 6760699 B1	20040706	11	Soft feature decoding in a distributed automatic speech	704/233	704/240; 714/780;		Weerackody; Vijitha et al.	☑	☐	☐	☐	☐	☐ ☐	US
3	☐	☐	US 6711536 B2	20040323	29	Speech processing apparatus and method	704/210	704/233; 704/253		Rees; David Llewellyn	☑	☐	☐	☐	☐	☐ ☐	US
4	☐	☐	US 6691090 B1	20040210	15	Speech recognition system including dimensionality	704/250	704/205; 704/256		Laurila; Kari et al.	☑	☐	☐	☐	☐	☐ ☐	US
5	☐	☐	US 6633839 B2	20031014	13	Method and apparatus for speech reconstruction in a	704/205	704/206; 704/207		Kushner; William M. et al.	☑	☐	☐	☐	☐	☐ ☐	US
6	☐	☐	US 6560575 B1	20030506	27	Speech processing apparatus and method	704/241	704/221; 704/237;		Keiller; Robert Alexander	☑	☐	☐	☐	☐	☐ ☐	US
7	☐	☐	US 6535851 B1	20030318	24	Segmentation approach for speech recognition systems	704/249	704/245; 704/250		Fanty; Mark et al.	☑	☐	☐	☐	☐	☐ ☐	US
8	☐	☐	US 6411925 B1	20020625	28	Speech processing apparatus and method for noise masking	704/200	704/201; 704/230;		Keiller; Robert Alexander	☑	☐	☐	☐	☐	☐ ☐	US
9	☐	☐	US 6055499 A	20000425	8	Use of periodicity and jitter for automatic speech	704/250	704/207		Chengalvarayan; Rathinavelu et al.	☑	☐	☐	☐	☐	☐ ☐	US
10	☐	☐	US 5751905 A	19980512	14	Statistical acoustic processing method and	704/254	704/251; 704/255;		Chen; Chengjun Julian et al.	☑	☐	☐	☐	☐	☐ ☐	US
11	☐	☐	US 5734789 A	19980331	44	Voiced, unvoiced or noise modes in a CELP vocoder	704/206	704/208; 704/210;		Swaminathan; Kumar et al.	☑	☐	☐	☐	☐	☐ ☐	US
12	☐	☐	US 5727124 A	19980310	14	Method of and apparatus for signal recognition that	704/233	704/245		Lee; Chin-Hui et al.	☑	☐	☐	☐	☐	☐ ☐	US

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